

# THERMOPLASTIC QUICK COUPLINGS

## SUBMINIATURE COUPLING

For 1/16, 1/8" & 3 mm ID tubing, FT-SMC Series



FT-SMC Series Starts at  
**\$48**  
Pkg of 10

### Features:

- ✓ Leak Free Seal—Replaceable O-Ring Seal Makes a Reliable Pressure or Vacuum Seal
- ✓ Small Size and Clean Appearance—Space Saving Couplings for In-Line, Panel Mount and Pipe Thread Tubing Connections
- ✓ Easy-to-Use Positive Locking—Reliable Snap-Lock Is Quick and Dependable for Vacuum to 100 psi
- ✓ Eliminates Kinking, Twisting and Accidental Unlocking—Design Allows Tubing to Swivel Independent of Locking Mechanism. This Prevents Accidental Unlocking Typical of Luer-Type Connections
- ✓ Corrosion Resistant—Thermoplastic Acetal and Polypropylene are Compatible with FDA and Chemical Applications
- ✓ Single Side Shutoff—Automatically Stops Flow When Coupling is Disconnected. Available for 1/16, 1/8" and 3mm Connectors, Body Side Only
- ✓ Gamma Sterilizable—Available in Polycarbonate

### Applications

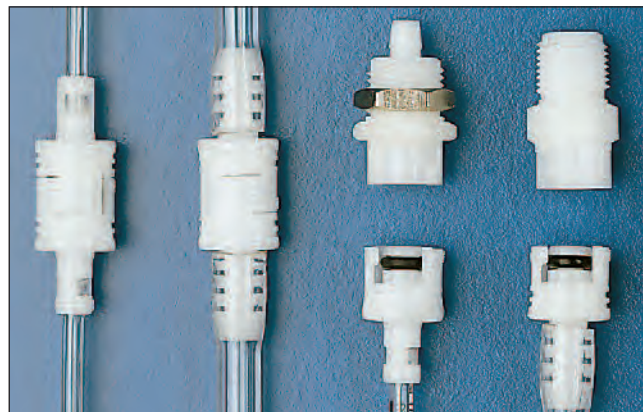
- ✓ Medical and Surgical Instrumentation
- ✓ Air Logic Systems
- ✓ Pneumatic Control Systems
- ✓ Disposable Medical Devices



FT-SMC Series quick disconnect couplings bring reliability, economy and added convenience to users of very small flexible plastic tubing.

OMEGA's FT-SMC coupling is a reliable quick connect system for easy servicing and quick component replacement. Available for in line, panel mount and pipe thread configurations. FT-SMC couplings are a reliable alternative to luer-type connections for medical instruments and devices. Their reliable O-Ring seal makes a leak-free connection every time.

† Visit [omega.com/rohs](http://omega.com/rohs) to determine specific RoHS compliance.



Subminiature couplings offer reliable, repeatable sealing capability for space-constrained applications. Shown here actual size.

## FT-SMC Complete In Line Couplings

  **MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

	<b>1/16 x 1/16" Hose Barb</b>							
	ACETAL STRAIGHT THRU MODEL NO.	PRICE 10 PK	ACETAL SHUTOFF MODEL NO.	PRICE 10 PK	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10 PK	LENGTH	
							THRU	OFF
	FT-SMC-01	\$51	FT-SMCD-01	\$162	FT-SMC-01-12	\$63	1.32"	1.46"
<b>1/8 x 1/8" Hose Barb— 4 x 4 mm Hose Barb</b>								
FT-SMC-02	\$48	FT-SMCD-02	\$159	FT-SMC-02-12	\$57	1.61"	1.61"	
<b>3 x 3 mm Hose Barb</b>								
FT-SMC-M3	\$54	FT-SMCD-M3	\$165	—	—	1.62"	1.62"	

## SPECIFICATIONS

**Working Pressure:** Vacuum to 6.9 bar (100 psi)

**Operating Temperature:**

**Acetal:** -40 to 82°C (-40 to 180°F)

**Polypropylene:** 0 to 82°C (32 to 180°F)

**Materials:**

**Coupling:** Acetal, Polypropylene

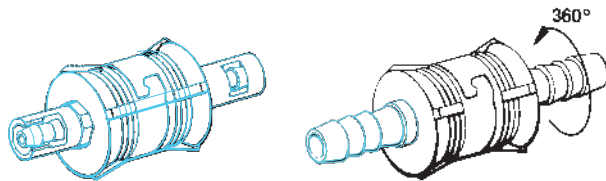
**Locking Sleeves:** Acetal

**Shutoff Valves:** Polypropylene

**Valve Spring:** 316 Stainless Steel

**Seals:** Buna with Acetal EPR with Polypropylene

**Tubing Size:** 1/16" and 1/8" ID, 3 mm, 4 mm ID



Exclusive 1/16" shrouded hose barb prevents breakage. Patented.

Tubing ends rotate independently of each other.

**Ordering Information:** FT-SMC couplings can be ordered complete for in line applications. For pipe thread and panel mount applications both coupling halves must be specified. For example, a panel mount body coupling (FT-SMFPM-01) requires an insert half of either 1/16", 1/8", 3 or 4 mm to make a complete connection.

## In Line Coupling Halves

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Insert Half		TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	PRICE 10 PK	SHUTOFF MODEL NO.	PRICE 10 PK	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10 PK	LENGTH (in)
	1/16"	—	FT-SMM-01	\$24	—	—	FT-SMM-01-12	\$32	1.10	
	—	3	FT-SMM-M3	24	—	—	—	—	—	
	1/8"	4	FT-SMM-02	21	—	—	FT-SMM-02-12	30	1.10	
Body Half		1/16"	—	FT-SMF-01	\$18	FT-SMFD-01	\$120	FT-SMF-01-12	\$22	1.25
	—	3	FT-SMF-M3	18	FT-SMFD-M3	122	—	—	—	
	1/8"	4	FT-SMF-02	17	FT-SMFD-02	117	FT-SMF-02-12	21	1.25	

## Panel Mount Coupling Halves

Insert Half		TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	PRICE 10 PK	SHUTOFF MODEL NO.	PRICE 10 PK	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10 PK	LENGTH (in)
	1/16"	—	FT-SMMPM-01	\$43	—	—	FT-SMMPM-01-12	\$49	0.90	
	—	3	FT-SMMPM-M3	44	—	—	—	—	—	
	1/8"	4	FT-SMMPM-02	44	—	—	FT-SMMPM-02-12	49	0.90	
Body Half		1/16"	—	FT-SMFPM-01	\$42	FT-SMFPMD-01	\$147	FT-SMFPM-01-12	\$45	0.90
	—	3	FT-SMFPM-M3	42	FT-SMFPMD-M3	150	—	—	—	
	1/8"	4	FT-SMFPM-02	41	FT-SMFPMD-02	150	FT-SMFPM-02-12	45	0.90	

## Pipe Thread Coupling Halves

Body Half		TUBING ID SIZE	METRIC mm ID	ACETAL STRAIGHT THRU MODEL NO.	PRICE 10 PK	SHUTOFF MODEL NO.	PRICE 10 PK	POLYPROPYLENE STRAIGHT THRU MODEL NO.	PRICE 10 PK	LENGTH (in)
	1/8" NPT MALE	—	—	FT-SMPT-02	\$14	FT-SMPTD-02	\$117	FT-SMPT-02-12	\$14	0.86

\* Maximum Panel Thickness = 7/32"; Panel Opening = 7/16".

**Ordering Examples:** FT-SMF-02, body half (pkg of 10), and FT-SMM-02, insert half (pkg of 10), \$17 + 21 = \$38.  
FT-SMCD-01, complete in-line Acetal shutoff (pkg of 10), \$162.



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